

Please note that prior claim 37 was not carried forward into the new set of claims because claim 37 and new independent claim 253 are redundant.

Please amend the instant application as follows:

IN THE CLAIMS:

Please cancel claims 7-191 and substitute therefore the following new claims 192-375:

192. A method for producing a desired soft tissue in a body of a human patient comprising:
- a) Placing a growth factor in said body of said human patient;
 - b) Forming a bud in said body of said human patient; and
 - c) Growing said desired soft tissue from said bud.
193. The method of claim 192, wherein said growth factor comprises organic matter.
194. The method of claim 192, wherein said growth factor comprises inorganic matter.
195. The method of claim 192, wherein said growth factor was genetically produced.
196. The method of claim 192, wherein said growth factor was genetically manipulated.
197. The method of claim 192, wherein said growth factor comprises a living organism which promotes tissue growth.
198. The method of claim 197, wherein said living organism was genetically produced.

199. The method of claim 197, wherein said living organism was genetically manipulated.
200. The method of claim 192, wherein said growth factor comprises platelet-derived growth factor.
201. The method of claim 192, wherein said growth factor comprises epidermal growth factor.
202. The method of claim 192, wherein said growth factor comprises fibroblast growth factor (acidic/basic)(FGF a,b).
203. The method of claim 192, wherein said growth factor comprises interleukins.
204. The method of claim 192, wherein said growth factor comprises tumor necrosis factor.
205. The method of claim 192, wherein said growth factor comprises transforming growth factor.
206. The method of claim 192, wherein said growth factor comprises colony-stimulating factor.
207. The method of claim 192, wherein said growth factor comprises osteopontin (Eta-1).

- 208. The method of claim 192, wherein said growth factor comprises interferon.
- 209. The method of claim 192, wherein said growth factor comprises bone morphogenic protein 1.
- 210. The method of claim 192, wherein said growth factor comprises insulin growth factor.
- 211. The method of claim 192, wherein said growth factor comprises bacteria.
- 212. The method of claim 192, wherein said growth factor promotes self-assembly.
- 213. The method of claim 197, wherein said growth factor comprises virus.
- 214. The method of claim 192, wherein said growth factor is recombinant.
- 215. The method of claim 192, wherein said growth factor is non-recombinant.
- 216. The method of claim 192, wherein said growth factor is multifactorial.
- 217. The method of claim 192, wherein said growth factor is nonspecific.
- 218. The method of claim 192, wherein said growth factor controls cell growth.

- 219. The method of claim 192, wherein said growth factor controls cell migration.
- 220. The method of claim 192, wherein said growth factor controls cell function.
- 221. The method of claim 192, wherein said soft tissue comprises ectodermal tissue.
- 222. The method of claim 192, wherein said growth factor is applied in a carrier.
- 223. The method of claim 222, wherein said carrier controls cell growth.
- 224. The method of claim 222, wherein said carrier controls cell migration.
- 225. The method of claim 222, wherein said carrier controls cell function.
- 226. The method of claim 222, wherein said carrier is resorbable.
- 227. The method of claim 222, wherein said carrier is non-resorbable.
- 228. The method of claim 222, wherein said carrier comprises a gel.
- 229. The method of claim 222, wherein said carrier comprises a time-release capsule.

- 230. The method of claim 222, wherein said carrier comprises a granule.
- 231. The method of claim 222, wherein said carrier is activated by tissue pH to release said growth factor.
- 232. The method of claim 222, wherein said carrier is activated by an enzyme to release said growth factor.
- 233. The method of claim 222, wherein said carrier is activated by ultrasound to release said growth factor.
- 234. The method of claim 222, wherein said carrier is activated by electricity to release said growth factor.
- 235. The method of claim 222, wherein said carrier is activated by heat to release said growth factor.
- 236. The method of claim 222, wherein said carrier is activated by an in vivo chemical to release said growth factor.
- 237. The method of claim 192, wherein said growth factor is activated by tissue pH.
- 238. The method of claim 192, wherein said growth factor is activated by an enzyme.

- 239. The method of claim 192, wherein said growth factor is activated by ultrasound.
- 240. The method of claim 192, wherein said growth factor is activated by electricity.
- 241. The method of claim 192, wherein said growth factor is activated by heat.
- 242. The method of claim 192, wherein said growth factor is activated by an in vivo chemical.
- 243. The method of claim 192, wherein said growth factor is orally placed in said body.
- 244. The method of claim 192, wherein said growth factor is systemically placed in said body.
- 245. The method of claim 192, wherein said growth factor is placed into said body by injection.
- 246. The method of claim 192, wherein said growth factor is placed into said body through the respiratory tract.
- 247. The method of claim 192, wherein said growth factor is placed in said body by first making an incision in said body and then inserting said growth factor through said incision.

248. The method of claim 192, wherein said growth factor is placed in a localized portion of said body.
249. The method of claim 192, wherein said growth factor is placed throughout said body.
250. The method of claim 249, wherein said growth factor is distributed in a uniform concentration throughout said body.
251. The method of claim 249, wherein said growth factor is distributed in a non-uniform concentration throughout said body.
252. The method of claim 192, wherein said growth factor controls three-dimensional protein structure and growth.
253. A method for producing a desired soft tissue comprising mesodermal tissue in a body of a human patient comprising:
- a) Placing a growth factor in said body of said human patient;
 - b) Forming a bud in said body of said human patient; and
 - c) Growing said desired mesodermal tissue from said bud.
254. The method of claim 253, wherein said growth factor comprises organic matter.

- 255. The method of claim 253, wherein said growth factor comprises inorganic matter.
- 256. The method of claim 253, wherein said growth factor was genetically produced.
- 257. The method of claim 253, wherein said growth factor was genetically manipulated.
- 258. The method of claim 253, wherein said growth factor comprises a living organism which promotes tissue growth.
- 259. The method of claim 258, wherein said living organism was genetically produced.
- 260. The method of claim 258, wherein said living organism was genetically manipulated.
- 261. The method of claim 253, wherein said growth factor comprises platelet-derived growth factor.
- 262. The method of claim 253, wherein said growth factor comprises epidermal growth factor.
- 263. The method of claim 253, wherein said growth factor comprises fibroblast growth factor (acidic/basic)(FGF a,b).
- 264. The method of claim 253, wherein said growth factor comprises interleukins.

- 265. The method of claim 253, wherein said growth factor comprises tumor necrosis factor.
- 266. The method of claim 253, wherein said growth factor comprises transforming growth factor.
- 267. The method of claim 253, wherein said growth factor comprises colony-stimulating factor.
- 268. The method of claim 253, wherein said growth factor comprises osteopontin (Eta-1).
- 269. The method of claim 253, wherein said growth factor comprises interferon.
- 270. The method of claim 253, wherein said growth factor comprises bone morphogenic protein 1.
- 271. The method of claim 253, wherein said growth factor comprises insulin growth factor.
- 272. The method of claim 253, wherein said growth factor comprises bacteria.
- 273. The method of claim 253, wherein said growth factor promotes self-assembly.
- 274. The method of claim 258, wherein said growth factor comprises virus.

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- 275. The method of claim 253, wherein said growth factor is recombinant.
- 276. The method of claim 253, wherein said growth factor is non-recombinant.
- 277. The method of claim 253, wherein said growth factor is multifactorial.
- 278. The method of claim 253, wherein said growth factor is nonspecific.
- 279. The method of claim 253, wherein said growth factor controls cell growth.
- 280. The method of claim 253, wherein said growth factor controls cell migration.
- 281. The method of claim 253, wherein said growth factor controls cell function.
- 282. The method of claim 253, wherein said soft tissue includes ectodermal tissue.
- 283. The method of claim 253, wherein said growth factor is applied in a carrier.
- 284. The method of claim 283, wherein said carrier controls cell growth.
- 285. The method of claim 283, wherein said carrier controls cell migration.

286. The method of claim 283, wherein said carrier controls cell function.
287. The method of claim 283, wherein said carrier is resorbable.
288. The method of claim 283, wherein said carrier is non-resorbable.
289. The method of claim 283, wherein said carrier comprises a gel.
290. The method of claim 283, wherein said carrier comprises a time-release capsule.
291. The method of claim 283, wherein said carrier comprises a granule.
292. The method of claim 283, wherein said carrier is activated by tissue pH to release said growth factor.
293. The method of claim 283, wherein said carrier is activated by an enzyme to release said growth factor.
294. The method of claim 283, wherein said carrier is activated by ultrasound to release said growth factor.
295. The method of claim 283, wherein said carrier is activated by electricity to release said growth factor.

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296. The method of claim 283, wherein said carrier is activated by heat to release said growth factor.
297. The method of claim 283, wherein said carrier is activated by an in vivo chemical to release said growth factor.
298. The method of claim 253, wherein said growth factor is activated by tissue pH.
299. The method of claim 253, wherein said growth factor is activated by an enzyme.
300. The method of claim 253, wherein said growth factor is activated by ultrasound.
301. The method of claim 253, wherein said growth factor is activated by electricity.
302. The method of claim 253, wherein said growth factor is activated by heat.
303. The method of claim 253, wherein said growth factor is activated by an in vivo chemical.
304. The method of claim 253, wherein said growth factor is orally placed in said body.
305. The method of claim 253, wherein said growth factor is systemically placed in said body.

- 306. The method of claim 253, wherein said growth factor is placed into said body by injection.
- 307. The method of claim 253, wherein said growth factor is placed into said body through the respiratory tract.
- 308. The method of claim 253, wherein said growth factor is placed in said body by first making an incision in said body and then inserting said growth factor through said incision.
- 309. The method of claim 253, wherein said growth factor is placed in a localized portion of said body.
- 310. The method of claim 253, wherein said growth factor is placed throughout said body.
- 311. The method of claim 310, wherein said growth factor is distributed in a uniform concentration throughout said body.
- 312. The method of claim 310, wherein said growth factor is distributed in a non-uniform concentration throughout said body.

313. The method of claim 253, wherein said growth factor controls three-dimensional protein structure and growth.
314. A method for producing a desired soft tissue comprising a blood vessel in a body of a human patient comprising:
- a) Placing a growth factor in said body of said human patient;
 - b) Forming a bud in said body of said human patient; and
 - c) Growing said desired blood vessel from said bud.
315. The method of claim 314, wherein said growth factor comprises organic matter.
316. The method of claim 314, wherein said growth factor comprises inorganic matter.
317. The method of claim 314, wherein said growth factor was genetically produced.
318. The method of claim 314, wherein said growth factor was genetically manipulated.
319. The method of claim 314, wherein said growth factor comprises a living organism which promotes tissue growth.
320. The method of claim 319, wherein said living organism was genetically produced.
321. The method of claim 319, wherein said living organism was genetically manipulated.

- 322. The method of claim 314, wherein said growth factor comprises platelet-derived growth factor.
- 323. The method of claim 314, wherein said growth factor comprises epidermal growth factor.
- 324. The method of claim 314, wherein said growth factor comprises fibroblast growth factor (acidic/basic)(FGF a,b).
- 325. The method of claim 314, wherein said growth factor comprises interleukins.
- 326. The method of claim 314, wherein said growth factor comprises tumor necrosis factor.
- 327. The method of claim 314, wherein said growth factor comprises transforming growth factor.
- 328. The method of claim 314, wherein said growth factor comprises colony-stimulating factor.
- 329. The method of claim 314, wherein said growth factor comprises osteopontin (Eta-1).
- 330. The method of claim 314, wherein said growth factor comprises interferon.

- 331. The method of claim 314, wherein said growth factor comprises bone morphogenic protein 1.
- 332. The method of claim 314, wherein said growth factor comprises insulin growth factor.
- 333. The method of claim 314, wherein said growth factor comprises bacteria.
- 334. The method of claim 314, wherein said growth factor promotes self-assembly.
- 335. The method of claim 319, wherein said growth factor comprises virus.
- 336. The method of claim 314, wherein said growth factor is recombinant.
- 337. The method of claim 314, wherein said growth factor is non-recombinant.
- 338. The method of claim 314, wherein said growth factor is multifactorial.
- 339. The method of claim 314, wherein said growth factor is nonspecific.
- 340. The method of claim 314, wherein said growth factor controls cell growth.
- 341. The method of claim 314, wherein said growth factor controls cell migration.

- 342. The method of claim 314, wherein said growth factor controls cell function.
- 343. The method of claim 314, wherein said blood vessel comprises ectodermal tissue.
- 344. The method of claim 314, wherein said blood vessel comprises mesodermal tissue.
- 345. The method of claim 314, wherein said growth factor is applied in a carrier.
- 346. The method of claim 345, wherein said carrier controls cell growth.
- 347. The method of claim 345, wherein said carrier controls cell migration.
- 348. The method of claim 345, wherein said carrier controls cell function.
- 349. The method of claim 345, wherein said carrier is resorbable.
- 350. The method of claim 345, wherein said carrier is non-resorbable.
- 351. The method of claim 345, wherein said carrier comprises a gel.
- 352. The method of claim 345, wherein said carrier comprises a time-release capsule.
- 353. The method of claim 345, wherein said carrier comprises a granule.

- 354. The method of claim 345, wherein said carrier is activated by tissue pH to release said growth factor.
- 355. The method of claim 345, wherein said carrier is activated by an enzyme to release said growth factor.
- 356. The method of claim 345, wherein said carrier is activated by ultrasound to release said growth factor.
- 357. The method of claim 345, wherein said carrier is activated by electricity to release said growth factor.
- 358. The method of claim 345, wherein said carrier is activated by heat to release said growth factor.
- 359. The method of claim 345, wherein said carrier is activated by an in vivo chemical to release said growth factor.
- 360. The method of claim 314, wherein said growth factor is activated by tissue pH.
- 361. The method of claim 314, wherein said growth factor is activated by an enzyme.

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- 362. The method of claim 314, wherein said growth factor is activated by ultrasound.
- 363. The method of claim 314, wherein said growth factor is activated by electricity.
- 364. The method of claim 314, wherein said growth factor is activated by heat.
- 365. The method of claim 314, wherein said growth factor is activated by an in vivo chemical.
- 366. The method of claim 314, wherein said growth factor is orally placed in said body.
- 367. The method of claim 314, wherein said growth factor is systemically placed in said body.
- 368. The method of claim 314, wherein said growth factor is placed into said body by injection.
- 369. The method of claim 314, wherein said growth factor is placed into said body through the respiratory tract.
- 370. The method of claim 314, wherein said growth factor is placed in said body by first making an incision in said body and then inserting said growth factor through said incision.